LIST OF CONTENTS

VOLUME 69 NUMBER 1 1995

COMMENTARY

J.-C. Cassel and **H. Jeltsch** — Serotonergic modulation of cholinergic function in the central nervous system: cognitive implications — 1

RESEARCH PAPERS

M. Levivier, D. M. Gash and **S. Przedborski** — Time course of the neuroprotective effect of transplantation on quinolinic acid-induced lesions of the striatum — 43

I. A. Shevelev, R. V. Novikova, N. A. Lazareva, A. S. Tikhomirov and **G. A. Sharaev** — Sensitivity to cross-like figures in the cat striate neurons — 51

T. C. Napier, I. Mitrovic, L. Churchill, M. A. Klitenick, X.-Y. Lu and **P. W. Kalivas** — Substance P in the ventral pallidum: projection from the ventral striatum, and electrophysiological and behavioral consequences of pallidal substance P — 59

P.-Y. Côté, P. Levitt and **A. Parent** — Distribution of limbic system-associated membrane protein immunoreactivity in primate basal ganglia — 71

A. M. Magariños and **B. S. McEwen** — Stress-induced atrophy of apical dendrites of hippocampal CA3c neurons: comparison of stressors — 83

A. M. Magariños and **B. S. McEwen** — Stress-induced atrophy of apical dendrites of hippocampal CA3c neurons: involvement of glucocorticoid secretion and excitatory amino acid receptors — 89

E. Cs. Papp, B. Heimrich and **T. F. Freund** — Development of the raphe–hippocampal projection *in vitro* — 99

G. D. Rosen, E. A. Sigel, G. F. Sherman and **A. M. Galaburda** — The neuroprotective effects of MK-801 on the induction of microgyria by freezing injury to the newborn rat neocortex — 107

Y. S. Mednikova and **S. V. Karnup** — Functional geometry of amino acid sensitive membrane of layer V neurons in the guinea-pig neocortex *in vitro* — 115

A. F. Greenwood, R. E. Powers and **R. S. Jope** — Phosphoinositide hydrolysis, Gαq, phospholipase C, and protein kinase C in *post mortem* human brain: effects of *post mortem* interval, subject age, and Alzheimer's disease — 125

I. Mody, T. S. Otis, A. Bragin, M. Hsu and **G. Buzsáki** — GABAergic inhibition of granule cells and hilar neuronal synchrony following ischemia-induced hilar neuronal loss — 139

L. Korbo and **B. B. Andersen** — The distributions of Purkinje cell perikaryon and nuclear volume in human and rat cerebellum with the nucleator method — 151

D. Guivarc'h, P. Vernier and **J.-D. Vincent** — Sex steroid hormones change the differential distribution of the isoforms of the D_2 dopamine receptor messenger RNA in the rat brain — 159

J. M. Kinzie, J. A. Saugstad, G. L. Westbrook and **T. P. Segerson** — Distribution of metabotropic glutamate receptor 7 messenger RNA in the developing and adult rat brain — 167

B. Chamak, A. Dobbertin and **M. Mallat** — Immunohistochemical detection of thrombospondin in microglia in the developing rat brain — 177

M. Hajós, S. E. Gartside, A. E. P. Villa and **T. Sharp**	Evidence for a repetitive (burst) firing pattern in a sub-population of 5-hydroxytryptamine neurons in the dorsal and median raphe nuclei of the rat	189
J. M. Mahon, M. Allen, J. Herbert and **J. T. Fitzsimons**	The association of thirst, sodium appetite and vasopressin release with c-*fos* expression in the forebrain of the rat after intracerebroventricular injection of angiotensin II, angiotensin-(1–7) or carbachol	199
L. H. Conti and **S. L. Foote**	Effects of pretreatment with corticotropin-releasing factor on the electrophysiological responsivity of the locus coeruleus to subsequent corticotropin-releasing factor challenge	209
S. Boehm and **S. Huck**	α_2-Adrenoreceptor-mediated inhibition of acetylcholine-induced noradrenaline release from rat sympathetic neurons: an action at voltage-gated Ca^{2+} channels	221
B. A. Morrow, J. R. Taylor and **R. H. Roth**	Prior exposure to cocaine diminishes behavioral and biochemical responses to aversive conditioning: reversal by glycine/*N*-methyl-D-aspartate antagonist co-treatment	233
A. K. Houghton, C. M. F. Gorringe and **R. W. Clarke**	Tachykininergic tone in the spinal cord of the rabbit: dependence on nociceptive input arising from invasive surgery	241
C. Dean and **J. L. Seagard**	Expression of c-*fos* protein in the nucleus tractus solitarius in response to physiological activation of carotid baroreceptors	249
Y. Charnay, L. Leger, P. G. Vallet, P. R. Hof, M. Jouvet and **C. Bouras**	[^{3}H]Nisoxetine binding sites in the cat brain: an autoradiographic study	259
M. I. Glavinović	Decrease of quantal size and quantal content during tetanic stimulation detected by focal recording	271
W. E. Crowe, J. Altamirano, L. Huerto and **F. J. Alvarez-Leefmans**	Volume changes in single N1E-115 neuroblastoma cells measured with a fluorescent probe	283
Z.-Y. Wang, P. Alm and **R. Håkanson**	Distribution and effects of pituitary adenylate cyclase-activating peptide in the rabbit eye	297
S. Liu and **R. H. Nordlander**	Growth cones and axon trajectories of the earliest descending serotonergic pathway of *Xenopus*	309
J. Kucera, P. Ernfors, J. Walro and **R. Jaenisch**	Reduction in the number of spinal motor neurons in neurotrophin-3-deficient mice	321
A. Golard	Lectins modulate calcium channels in chick sympathetic ganglia	331

VOLUME 69 NUMBER 2 1995

LETTERS TO NEUROSCIENCE

S. L. Eastwood and **P. J. Harrison**	Decreased synaptophysin in the medial temporal lobe in schizophrenia demonstrated using immunoautoradiography	339
N. C. Gordon, R. W. Gear, P. H. Heller, S. Paul, C. Miaskowski and **J. D. Levine**	Enhancement of morphine analgesia by the $GABA_B$ agonist baclofen	345

RESEARCH PAPERS

E. C. Burgard and **J. J. Hablitz**	*N*-Methyl-D-aspartate receptor-mediated calcium accumulation in neocortical neurons	351

J. J. O'Connor, J. Wu, M. J. Rowan and R. Anwyl	Potentiation of *N*-methyl-D-aspartate-receptor-mediated currents detected using the excised patch technique in the hippocampal dentate gyrus	363
C. L. Miller and R. Freedman	The activity of hippocampal interneurons and pyramidal cells during the response of the hippocampus to repeated auditory stimuli	371
K. W. Roche and R. L. Huganir	Synaptic expression of the high-affinity kainate receptor subunit KA2 in hippocampal cultures	383
J. E. Madl and D. L. Allen	Hyperthermia depletes adenosine triphosphate and decreases glutamate uptake in rat hippocampal slices	395
A. K. Shetty, D. Rapoza, R. D. Madison and D. A. Turner	Selective laser-activated lesioning of prelabeled fetal hippocampal grafts by intracellular photolytic chromophore	407
M. E. Wolf, S. L. Dahlin, X.-T. Hu, C.-J. Xue and K. White	Effects of lesions of prefrontal cortex, amygdala, or fornix on behavioral sensitization to amphetamine: comparison with *N*-methyl-D-aspartate antagonists	417
J. N. Simpson, J. Q. Wang and J. F. McGinty	Repeated amphetamine administration induces a prolonged augmentation of phosphorylated cyclase response element-binding protein and Fos-related antigen immunoreactivity in rat striatum	441
W. Du, A. G. Romano, V. J. Aloyo and J. A. Harvey	Hypotensive stress retards associative learning in rabbits	459
R. Drake-Baumann and F. J. Seil	Electrophysiological differences between Purkinje cells in organotypic and granuloprival cerebellar cultures	467
E. Kumamoto and Y. Murata	Excitatory amino acid-induced currents in rat septal cholinergic neurons in culture	477
A. Khateb, P. Fort, A. Pegna, B. E. Jones and M. Mühlethaler	Cholinergic nucleus basalis neurons are excited by histamine *in vitro*	495
G. M. Krauthamer, B. S. Grunwerg and H. Krein	Putative cholinergic neurons of the pedunculopontine tegmental nucleus projecting to the superior colliculus consist of sensory responsive and unresponsive populations which are functionally distinct from other mesopontine neurons	507
J. A. Chowen, S. Busiguina and L. M. García-Segura	Sexual dimorphism and sex steroid modulation of glial fibrillary acidic protein messenger RNA and immunoreactivity levels in the rat hypothalamus	519
G. V. Allen and D. F. Cechetto	Neurotensin in the lateral hypothalamic area: origin and function	533
S. Amir, B. Robinson and K. Edelstein	Distribution of NADPH-diaphorase staining and light-induced Fos expression in the rat suprachiasmatic nucleus region supports a role for nitric oxide in the circadian system	545
M. Pasic and G. Kartelija	The reaction of *Helix* photosensitive neurons to light and cyclic GMP	557
D. Paré, Y. Smith and J.-F. Paré	Intra-amygdaloid projections of the basolateral and basomedial nuclei in the cat: *Phaseolus vulgaris*-leucoagglutinin anterograde tracing at the light and electron microscopic level	567

H. Nakazawa, H. Kaba, T. Higuchi and **S. Inoue**	The importance of calmodulin in the accessory olfactory bulb in the formation of an olfactory memory in mice	585
N. C. Hall, J. M. Carney, M. Cheng and **D. A. Butterfield**	Prevention of ischemia/reperfusion-induced alterations in synaptosomal membrane-associated proteins and lipids by *N*-tert-butyl-α-phenylnitrone and difluoromethylornithine	591
J. Lipski, R. Kanjhan, B. Kruszewska and **M. Smith**	Barosensitive neurons in the rostral ventrolateral medulla of the rat *in vivo*: morphological properties and relationship to C1 adrenergic neurons	601
E. A. J. Joosten, P. R. Bär and **W.-H. Gispen**	Directional regrowth of lesioned corticospinal tract axons in adult rat spinal cord	619
S. Diochot, S. Richard and **J. Valmier**	Diversity of voltage-gated calcium currents in large diameter embryonic mouse sensory neurons	627
V. Zagorodnyuk and **C. A. Maggi**	Neuronal tachykinin NK_2 receptors mediate release of non-adrenergic non-cholinergic inhibitory transmitters in the circular muscle of guinea-pig colon	643
H. Inokuchi and **E. M. McLachlan**	Lack of evidence for P2X-purinoceptor involvement in fast synaptic responses in intact sympathetic ganglia isolated from guinea-pigs	651
V. V. Marlinsky	The effect of somatosensory stimulation on second-order and efferent vestibular neurons in the decerebrate decerebellate guinea-pig	661
M. R. Hayman, J. P. Donaldson and **I. M. L. Donaldson**	The primary afferent pathway of extraocular muscle proprioception in the pigeon	671
S. G. Khasar, F. J.-P. Miao and **J. D. Levine**	Inflammation modulates the contribution of receptor-subtypes to bradykinin-induced hyperalgesia in the rat	685

VOLUME 69 NUMBER 3 1995

LETTERS TO NEUROSCIENCE

T. Arendt, M. Holzer, R. Fruth, M. K. Brückner and **U. Gärtner**	Paired helical filament-like phosphorylation of tau, deposition of β/A4-amyloid and memory impairment in rat induced by chronic inhibition of phosphatase 1 and 2A	691
C. L. Boulton, E. Southam and **J. Garthwaite**	Nitric oxide-dependent long-term potentiation is blocked by a specific inhibitor of soluble guanylyl cyclase	699
C. Schwarzer and **G. Sperk**	Hippocampal granule cells express glutamic acid decarboxylase-67 after limbic seizures in the rat	705

COMMENTARY

L. F. Agnati, M. Zoli, I. Strömberg and **K. Fuxe**	Intercellular communication in the brain: wiring versus volume transmission	711

RESEARCH PAPERS

A. M. Thomson, D. C. West and **J. Deuchars**	Properties of single axon excitatory postsynaptic potentials elicited in spiny interneurons by action potentials in pyramidal neurons in slices of rat neocortex	727
J. Deuchars and **A. M. Thomson**	Innervation of burst firing spiny interneurons by pyramidal cells in deep layers of rat somatomotor cortex: paired intracellular recordings with biocytin filling	739

Zs. Nagy, M. M. Esiri, K. A. Jobst, C. Johnston, S. Litchfield, E. Sim and **A. D. Smith**	Influence of the apolipoprotein E genotype on amyloid deposition and neurofibrillary tangle formation in Alzheimer's disease	757
M. N. Patel and **J. O. McNamara**	Selective enhancement of axonal branching of cultured dentate gyrus neurons by neurotrophic factors	763
K. A. Huber, K. Krieglstein and **K. Unsicker**	The neurotrophins BDNF, NT-3 and -4, but not NGF, TGF-β1 and GDNF, increase the number of NADPH-diaphorase-reactive neurons in rat spinal cord cultures	771
K. Andreasson and **P. F. Worley**	Induction of β-A activin expression by synaptic activity and during neocortical development	781
V. Moro, J. Badaut, V. Springhetti, L. Edvinsson, J. Seylaz and **F. Lasbennes**	Regional study of the co-localization of neuronal nitric oxide synthase with muscarinic receptors in the rat cerebral cortex	797
A. Bessis, A.-M. Salmon, M. Zoli, N. Le Novère, M. Picciotto and **J.-P. Changeux**	Promoter elements conferring neuron-specific expression of the β2-subunit of the neuronal nicotinic acetylcholine receptor studied *in vitro* and in transgenic mice	807
X. O. Zhu, M. W. Brown, B. J. McCabe and **J. P. Aggleton**	Effects of the novelty or familiarity of visual stimuli on the expression of the immediate early gene c-fos in rat brain	821
C. Schwarzer, J. M. Williamson, E. W. Lothman, A. Vezzani and **G. Sperk**	Somatostatin, neuropeptide Y, neurokinin B and cholecystokinin immunoreactivity in two chronic models of temporal lobe epilepsy	831
L. Van Bree, F. Zhang, S. N. Schiffmann, P. Halleux, P. Mailleux and **J.-J. Vanderhaeghen**	Homolateral cerebrocortical changes in neuropeptide and receptor expression after minimal cortical infarction	847
B. S. Kolachana, R. C. Saunders and **D. R. Weinberger**	Augmentation of prefrontal cortical monoaminergic activity inhibits dopamine release in the caudate nucleus: an *in vivo* neurochemical assessment in the rhesus monkey	859
T. Oyama, S. Goto, T. Nishi, K. Sato, K. Yamada, M. Yoshikawa and **Y. Ushio**	Immunocytochemical localization of the striatal enriched protein tyrosine phosphatase in the rat striatum: a light and electron microscopic study with a complementary DNA-generated polyclonal antibody	869
S. Kroesen, J. Marksteiner, S. K. Mahata, M. Mahata, R. Fischer-Colbrie, A. Saria, I. Kapeller and **H. Winkler**	Effects of haloperidol, clozapine and citalopram on messenger RNA levels of chromogranins A and B and secretogranin II in various regions of rat brain	881
T. F. Oo, C. Henchcliffe and **R. E. Burke**	Apoptosis in substantia nigra following developmental hypoxic–ischemic injury	893
C. E. Rick, I. M. Stanford and **M. G. Lacey**	Excitation of rat substantia nigra pars reticulata neurons by 5-hydroxytryptamine *in vitro*: evidence for a direct action mediated by 5-hydroxytryptamine$_{2C}$ receptors	903
I. B. Walsh, R. J. van den Berg and **W. J. Rietveld**	Ionic currents in cultured rat suprachiasmatic neurons	915
D. Bouhassira, D. Chitour, L. Villanueva and **D. Le Bars**	The spinal transmission of nociceptive information: modulation by the caudal medulla	931
E. Carstens, I. Saxe and **R. Ralph**	Brainstem neurons expressing c-Fos immunoreactivity following irritant chemical stimulation of the rat's tongue	939

S. Quasthoff, J. Grosskreutz, J. M. Schröder, U. Schneider and **P. Grafe**	Calcium potentials and tetrodotoxin-resistant sodium potentials in unmyelinated C fibres of biopsied human sural nerve	955
M.-F. Vesin, C. Billotte and **B. Droz**	Biosynthesis of prostaglandin D_2 by motoneurons and dorsal horn microneurons: a biochemical and high resolution immunocytochemical study in chick spinal cord	967
S. A. Waterman and **C. A. Maggi**	Stimulation of neuropeptide release from sensory and enteric neurons in the guinea-pig by α-latrotoxin	977
A. Meulemans, J. P. Mothet, A. Schirar, P. Fossier, L. Tauc and **G. Baux**	A nitric oxide synthase activity is involved in the modulation of acetylcholine release in *Aplysia* ganglion neurons: a histological, voltammetric and electrophysiological study	985
I. Neumann, P. Kremarik and **Q. J. Pittman**	Acute, sequence-specific effects of oxytocin and vasopressin antisense oligonucleotides on neuronal responses	997

VOLUME 69 NUMBER 4 1995

LETTERS TO NEUROSCIENCE

I. Neumann, P. Kremarik and **Q. J. Pittman**	Acute, sequence-specific effects of oxytocin and vasopressin antisense oligonucleotides on neuronal responses	997
S. Amir and **B. Robinson**	Ultraviolet light entrains rodent suprachiasmatic nucleus pacemaker	1005
G. Crosby, J. J. A. Marota and **P. L. Huang**	Intact nociception-induced neuroplasticity in transgenic mice deficient in neuronal nitric oxide synthase	1013
Å. Dagerlind, M. Pelto-Huikko, M. Diez and **T. Hökfelt**	Adrenal medullary ganglion neurons project into the splanchnic nerve	1019
H. I. Kornblum, C. M. Gall, K. B. Seroogy and **J. C. Lauterborn**	A subpopulation of striatal GABAergic neurons expresses the epidermal growth factor receptor	1025

RESEARCH PAPERS

A. Baude, Z. Nusser, E. Molnár, R. A. J. McIlhinney and **P. Somogyi**	High-resolution immunogold localization of AMPA type glutamate receptor subunits at synaptic and non-synaptic sites in rat hippocampus	1031
R. Khazipov, D. Ragozzino and **P. Bregestovski**	Kinetics and Mg^{2+} block of *N*-methyl-D-aspartate receptor channels during postnatal development of hippocampal CA3 pyramidal neurons	1057
A. I. Hersi, W. Rowe, P. Gaudreau and **R. Quirion**	Dopamine D_1 receptor ligands modulate cognitive performance and hippocampal acetylcholine release in memory-impaired aged rats	1067
P. A. Brennan, K. M. Kendrick and **E. B. Keverne**	Neurotransmitter release in the accessory olfactory bulb during and after the formation of an olfactory memory in mice	1075
C. Sandi, S. P. R. Rose, R. Mileusnic and **C. Lancashire**	Corticosterone facilitates long-term memory formation via enhanced glycoprotein synthesis	1087
A. R. Guimaraes, P. Schwartz, M. R. Prakash, C. A. Carr, U. V. Berger, B. G. Jenkins, J. T. Coyle and **R. G. González**	Quantitative *in vivo* ^1H nuclear magnetic resonance spectroscopic imaging of neuronal loss in rat brain	1095

R. Carletti, S. Tacconi, E. Bettini and **F. Ferraguti**	Stress activated protein kinases, a novel family of mitogen-activated protein kinases, are heterogeneously expressed in the adult rat brain and differentially distributed from extracellular-signal-regulated protein kinases	1103
I. Ferrer and **A. M. Planas**	Induction of heat-shock protein-70 messenger RNA and protein following systemic kainate injection in the rat: evidence of protein axonal transport	1111
J. M. Elliott, N. R. Newberry, A. J. Cholewinski, J. T. Bartrup, S. J. Briddon, J. E. Carey, T. P. Flanigan, R. A. Newton, S. L. Phipps, A. C. Reavley, C. Smith, M. Wigmore, D. G. Grahame-Smith and **R. A. Leslie**	Characterization of the 5-hydroxytryptamine$_{2A}$ receptor-activated cascade in rat C6 glioma cells	1119
Y. Bozzi, T. Pizzorusso, F. Cremisi, F. M. Rossi, G. Barsacchi and **L. Maffei**	Monocular deprivation decreases the expression of messenger RNA for brain-derived neurotrophic factor in the rat visual cortex	1133
K.-M. Kim, Y. Nakajima and **S. Nakajima**	G protein-coupled inward rectifier modulated by dopamine agonists in cultured substantia nigra neurons	1145
S. Patel, J. Roberts, J. Moorman and **C. Reavill**	Localization of serotonin-4 receptors in the striatonigral pathway in rat brain	1159
M. Olsson, K. Campbell, K. Wictorin and **A. Björklund**	Projection neurons in fetal striatal transplants are predominantly derived from the lateral ganglionic eminence	1169
L. Danober, A. Depaulis, M. Vergnes and **C. Marescaux**	Mesopontine cholinergic control over generalized non-convulsive seizures in a genetic model of absence epilepsy in the rat	1183
F. Zhang, S. Xu and **C. Iadecola**	Role of nitric oxide and acetylcholine in neocortical hyperemia elicited by basal forebrain stimulation: evidence for an involvement of endothelial nitric oxide	1195
Z. Szeidemann, R. L. Jakab, M. Shanabrough and **C. Leranth**	Extrinsic and intrinsic substance P innervation of the rat lateral septal area calbindin cells	1205
J. M. Hilton, S. Y. Chai and **P. M. Sexton**	*In vitro* autoradiographic localization of the calcitonin receptor isoforms, C1a and C1b, in rat brain	1223
O. J. Igwe and **M. B. Filla**	Regulation of phosphatidylinositide transduction system in the rat spinal cord during aging	1239
C. Stapf, M. Shakibaei and **D. Blottner**	Co-existence of NADPH-diaphorase, fibroblast growth factor-2 and fibroblast growth factor receptor in spinal autonomic system suggests target-specific actions	1253
V. S. Seybold and **L. G. Abrahams**	Characterization and regulation of neurokinin$_1$ receptors in primary cultures of rat neonatal spinal neurons	1263
F. A. van Golen, K. W. Li, R. P. J. De Lange, R. E. Van Kesteren, R. C. Van Der Schors and **W. P. M. Geraerts**	Co-localized neuropeptides conopressin and Ala–Pro–Gly–Trp–NH_2 have antagonistic effects on the vas deferens of *lymnaea*	1275

NEUROSCIENCE

An International Journal under the editorial direction of IBRO

Volume 69, 1995

TITLE SECTION,
LIST OF CONTENTS,
KEY WORD AND AUTHOR INDEX

PERGAMON

LIST OF CONTENTS

VOLUME 69 NUMBER 1 1995

COMMENTARY

J.-C. Cassel and **H. Jeltsch** — Serotonergic modulation of cholinergic function in the central nervous system: cognitive implications — 1

RESEARCH PAPERS

M. Levivier, D. M. Gash and **S. Przedborski** — Time course of the neuroprotective effect of transplantation on quinolinic acid-induced lesions of the striatum — 43

I. A. Shevelev, R. V. Novikova, N. A. Lazareva, A. S. Tikhomirov and **G. A. Sharaev** — Sensitivity to cross-like figures in the cat striate neurons — 51

T. C. Napier, I. Mitrovic, L. Churchill, M. A. Klitenick, X.-Y. Lu and **P. W. Kalivas** — Substance P in the ventral pallidum: projection from the ventral striatum, and electrophysiological and behavioral consequences of pallidal substance P — 59

P.-Y. Côté, P. Levitt and **A. Parent** — Distribution of limbic system-associated membrane protein immunoreactivity in primate basal ganglia — 71

A. M. Magariños and **B. S. McEwen** — Stress-induced atrophy of apical dendrites of hippocampal CA3c neurons: comparison of stressors — 83

A. M. Magariños and **B. S. McEwen** — Stress-induced atrophy of apical dendrites of hippocampal CA3c neurons: involvement of glucocorticoid secretion and excitatory amino acid receptors — 89

E. Cs. Papp, B. Heimrich and **T. F. Freund** — Development of the raphe–hippocampal projection *in vitro* — 99

G. D. Rosen, E. A. Sigel, G. F. Sherman and **A. M. Galaburda** — The neuroprotective effects of MK-801 on the induction of microgyria by freezing injury to the newborn rat neocortex — 107

Y. S. Mednikova and **S. V. Karnup** — Functional geometry of amino acid sensitive membrane of layer V neurons in the guinea-pig neocortex *in vitro* — 115

A. F. Greenwood, R. E. Powers and **R. S. Jope** — Phosphoinositide hydrolysis, Gαq, phospholipase C, and protein kinase C in *post mortem* human brain: effects of *post mortem* interval, subject age, and Alzheimer's disease — 125

I. Mody, T. S. Otis, A. Bragin, M. Hsu and **G. Buzsáki** — GABAergic inhibition of granule cells and hilar neuronal synchrony following ischemia-induced hilar neuronal loss — 139

L. Korbo and **B. B. Andersen** — The distributions of Purkinje cell perikaryon and nuclear volume in human and rat cerebellum with the nucleator method — 151

D. Guivarc'h, P. Vernier and **J.-D. Vincent** — Sex steroid hormones change the differential distribution of the isoforms of the D_2 dopamine receptor messenger RNA in the rat brain — 159

J. M. Kinzie, J. A. Saugstad, G. L. Westbrook and **T. P. Segerson** — Distribution of metabotropic glutamate receptor 7 messenger RNA in the developing and adult rat brain — 167

B. Chamak, A. Dobbertin and **M. Mallat** — Immunohistochemical detection of thrombospondin in microglia in the developing rat brain — 177